ABSTRACT OF THE DISCLOSURE

A method of generating an interpolation image includes dividing a first image into first blocks, searching the second image for a second block having a strong correlation, deriving a first motion vector between the first and second blocks, extracting from the first block a first sub block including pixels that an absolute difference value is less than a threshold and a second sub block including pixels that it is not less than the threshold, searching a region on the second image for a third sub block having a strong correlation with respect to the second sub block, deriving a second motion vector between the second and third sub blocks, and copying the first and second sub blocks onto a third image between the first and second frames, using the first and second motion vectors.